

SHOCK-ABSORBING DEVICE FOR FOOTWEAR

Abstract

A shock-absorbing system and device for footwear, and a footwear article including the device. The shock-absorbing device has a plurality of first projections distributed on and extending upwardly from the upper surface in contact with the user's foot, and a plurality of second projections distributed on and extending downwardly from the lower surface in contact with the ground. During the flexion of the foot when stepping, the second projections yield elastically, and displace the first projections upwards and into contact with the foot. The first projections move in a plurality of directions, achieving a massage action, the shock-absorbing, and the uniform distribution of the load on the foot.